

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): M. KUWAHARA, et al  
Serial No.: (not yet assigned)  
Filed: July 15, 2003  
For: RADIO COMMUNICATION SYSTEM USING ADAPTIVE  
ARRAY ANTENNA

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 & 1.98**

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 15, 2003

Sir:

In the matter of the above-identified application, this information disclosure statement is being submitted with the following citation as specified in 37 CFR 1.97(d).

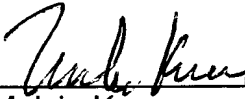
"A copy of any patent, publication or other information listed in an information disclosure statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120."

Applicant(s) are submitting herewith a copy of Form PTO-1449 which list documents cited in parent application(s) Serial No. 09/364,269, filed July 30, 1999.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (520.37431CX1) and please credit any excess fees to such deposit account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Melvin Kraus", is written over a horizontal line.

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Form PTO-1449  
Equivalent

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. 500.37431CX1  
Serial No. (not yet assigned)  
Applicant: M. KUWAHARA, et al  
Filing Date: July 15, 2003  
Group:

U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
	6,049,307	4/00	Lim		
	6,108,565	8/00	Scherzer		
	6,118,987	9/00	Hiramatsu et al		

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation Yes No
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Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

T. Matsumoto et al, "A Technical Survey and Future Prospects of Adaptive Array Antennas in Mobile Communications", NTT DoCoMo Technical Journal, Vol. 5, No. 4, pp. 25-36 (June 1998)

Examiner

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.